

Knowledge Matching Exercise for Innovative / Resilient Solution Transfer

A. Background

1. The Midterm Review of Strategy 2020 Action Plan (the Plan) of the Asian Development Bank (ADB) places importance under Action 3.8 on developing an institutional framework and modalities to adopt new and innovative cost effective technologies and products to strengthen ADB operations. Action 3.83 calls for, among others, establishing product development partnerships with the private sector.
2. The Plan under the Strategic Priority 2 (Environment and climate change) indicates that ADB will strengthen integrated disaster risk management to reduce vulnerability to natural and environmental hazards and promote the integration of climate change adaptation with disaster risk management (DRM).
3. In this regard, in December 2014, **ADB approved Technical Assistance (the TA): Technology Transfer for Resilient Project Development to conduct a knowledge-matching exercise (the Exercise) for innovative and resilient technology and solution transfer to its developing member countries (DMCs).**

B. Objective of the Exercise

4. The Exercise aims to mainstream lending and other infrastructure projects with innovative and resilient technologies and solutions by 2020 under the Plan. To achieve it, Regional and Sustainable Development Department (RSDD), ADB, together with its sector groups (SGs) will facilitate provision of technologies and solutions by the private and public sector agencies to ADB's operation departments (ODs) in a transparent and accountable way. The Exercise covers all the infrastructure sectors, among others, energy, transport, water, urban, and rural and types of innovative and resilient technologies and solutions, e.g., among others, (i) information and communication technologies (ICTs), (ii) space base technologies (SBTs), (iii) civil engineering, (iv) machinery, (v) energy, transport, urban, water, rural and other sector related equipment. RSDD will assist ODs and DMC agencies to incorporate the seeds of solutions into ADB's projects in a tangible way.

C. Workflow of the Exercise

- i. Secretariat requests knowledge partners and the private sector to submit concept papers on proposed innovative and resilient technologies and solutions (Attachment 1). The concept paper comprises (i) summary of the solutions, (ii) cases of projects where the solutions have been applied, (iii) plans of contribution to the Exercise and joint institutional capacity development program for ADB staff and DMCs. To globally outreach to solution providers, Secretariat will collaborate with government agencies in developed and developing countries. At this moment, the agencies of France, Japan, US, and UK expressed interests for the collaboration.
- ii. Secretariats develop and evolve **solution maps** which plot technologies and solutions in a consolidated manner. Secretariat asks to the public agencies to review the map for refinement.

Indicative Maps

		Energy	Trasnport	Urban	Water/Rural
B. ICT and SBT	A. Civil Works Foundation of Infrastructure				
	Terminal				
	Application - Software				
	Platform - Data Control & Management				
	Communication Infrastructure				
C. Innovative Equipment					

- iii. Project Team of ODs will be identified who may seek for further information of the proposed solution.
- iv. Secretariat promotes communications among the solution providers, ODs, and DMC agencies. On 19-20 May, 2015, ADB will conduct a large scale workshop at HQ of ADB in Manila, Philippines inviting around 20 DMC agencies, ADB staff, development partners, and around 100 private sector solution providers all over the world.
- v. Secretariat provides projects specific supports for (i) conducting project specific knowledge matching events in DMCs, (ii) facilitating pre-feasibility studies to be conducted by development partners or ADB through TAs, (ii) developing institutional capacity of DMC agencies and ADB staff.
- vi. Secretariat encourages and supports it public development partners conduct bi-lateral knowledge solution matching exercise complimentary to ADB's exercise.
- vii. Secretariat develop and manage an online site for sharing available technology options and fostering ongoing communication between ADB staff and the DMC executing agencies to explore options at the project concept stage ;

#101001	Private Sector	Name of Agency
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Disclaimer: This paper is prepared by NPO to develop institutional capacity of developing countries based on the public information and relevant persons interviews. It is strictly prohibited to use this paper for other purposes.

Technology /Solution

Applicable Areas

		<u>Theme</u>		
		Environment	Inclusive	Resilient
<u>Sector</u>	Energy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Transport	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Urban	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Type</u>	<input type="checkbox"/> Policy	<input type="checkbox"/> Technology	<input type="checkbox"/> Finance	

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A. Profile

https:// < >

Please provide picture, photograph and text to explain about the solution which your agencies offers

B. Application

http://www.

Please share the good example of applying the technologies or solutions to specific project

D. Interest to Collaborate with ADB for the knowledge solution Exercise